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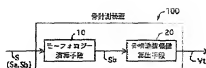
JP11112877A 19990423 FullText

Title: (ENG) BONE MEASUREMENT METHOD AND DEVICE

Abstract: (ENG)

**PROBLEM TO BE SOLVED:** To accurately and quantitatively recognize the structure state of a bone tissue based on radiation images.

**SOLUTION:** A morphology computing means 10 executes a skeleton processing to inputted image information S including bone image information Sb and extracts the bone image information Sb. Then, based on the obtained bone image information Sb, a bone structure index value calculation means 20 obtains a Vt value which is one index value for indicating the structure state of the bone tissue as the average value of the index values Vtj at optional points (j) on a bone beam obtained by an expression  $Vtj = (n/3) \times \Sigma I14 / \Sigma I1$ . (In the expression, I1 indicates a length that the bone beam is continued in an optional direction with the point (j) as a center. Also,  $\Sigma I14$  is obtained radially in all the directions with the point (j) as the center and  $\Sigma$  indicates the obtaining of a sum in all the directions).

**Application Number:** JP 26656597 A**Application (Filing) Date:** 19970930**Priority Data:** JP 26656597 19970930 A ;**Inventor(s):** OKUBO TAKESHI**Assignee/Applicant/Grantee:** FUJI PHOTO FILM CO LTD**Last Modification Date:** 20050718**Original IPC (1-7):** H04N005325; A61B00600; G06T00100**ECLA (European Class):** G06T00700B2**Legal Status:** There is no Legal Status information available for this patent

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